



NEWAY SINOPHC TECH. LIMITED

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Certificate of Analysis

Product Information

Item	Details
Product Name	Midazolam
Product Number	MZ-20260228
Batch Number	MZ-SH2026022801
Brand	SIGALD
CAS Number	59467-74-6
Formula	C ₁₈ H ₁₃ ClFN ₃
Formula Weight	325.77 g/mol
Quality Release Date	28 FEB 2026

Test Results

Test	Specification	Result	Unit	Test Method
Appearance	White to off-white crystalline powder	White crystalline powder	-	Visual Inspection
Odor	Practically odorless	Practically odorless	-	Olfactory Inspection
Assay (Midazolam)	≥ 99.5%	99.8%	%	HPLC
Loss on Drying	≤ 0.3%	0.05%	%	105°C, 2 h
Residue on Ignition	≤ 0.1%	0.008%	%	600±25°C Ignition
Heavy Metals (Pb)	≤ 2 ppm	0.07 ppm	ppm	AAS
Heavy Metals (As)	≤ 1 ppm	0.05 ppm	ppm	AFS
Related Substances	≤ 0.3%	0.08%	%	HPLC
Sulfate (SO ₄ ²⁻)	≤ 0.02%	0.001%	%	Turbidimetry
Melting Point	160-164°C	162.4°C	°C	Melting Apparatus
pH (1% suspension, 25°C)	4.0-6.5	5.2	-	pH Meter
Total Bacterial Count	≤ 5 CFU/g	0 CFU/g	CFU/g	Plate Count
E. coli	Negative	Negative	-	Microbiological Test
Yeast & Mold	≤ 5 CFU/g	0 CFU/g	CFU/g	Plate Count
Water Solubility	Slightly soluble	Complies	-	Pharmacopoeia Method

Certification

This batch complies with USP/EP/CP pharmaceutical grade standards and is qualified for use.

Issue Date: 28 FEB 2026